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JUN 0 9 2004

In re Application of:

Stefan Hau-Riege R. Scott List

Serial No.: 10/001,305

Filed:

November 30, 2001

For:

METHOD OF MAKING A SEMICONDUCTOR DEVICE

THAT HAS COPPER DAMASCENE)
INTERCONNECTS WITH ENHANCED)

ELECTROMIGRATION RELIABILITY

Commissioner for Patents P.O, Box 1450 Alexandria, VA 22313-1450 OFFICIAL

Art Unit: 2829

Examiner: M. Harrison

Atty Docket: P12075

<u>AMENDMENT</u>

Dear Sir:

In response to the office action of May 21, 2004, applicants respectfully request the examiner to enter the following amendment, which cancels all claims except for claims 16-20. In the office action, the examiner allowed those claims over the prior art of record. Consequently, applicants respectfully request the examiner to send a notice of allowance for these remaining pending claims.

Intel C rporation 2200 Mission College Blvd. Santa Clara, CA 95052

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OFFICIA :

Intel Legal Team

Fax

Page 1 of 9

Date: June 9, 2004

To: Monica D. Harrison

Fax: 703-872-9306

Phone: 571-272-1959

United States Patent and Trademark Office

From: Mark V. Seeley

Fax: 408-765-7723

Phone: 408-765-7382

Subject:

Amendment in Application Scrial No. 10/001,305

A CONFIRMATION COPY OF THIS DOCUMENT:

WILL NOT BE SENT

Applicant(s):

Stefan Hau-Rlege, R. Scott List

Assignee:

Intel Corporation

Serial No.:

10/001,305

Filed:

November 30, 2001

Atty Docket No.:

P12075

Title: ME

METHOD OF MAKING A SEMICONDUCTOR DEVICE THAT HAS COPPER

DAMASCENE INTERCONNECTS WITH ENHANCED

ELECTROMIGRATION RELIABILITY

Enclosed:

1. Transmittal Form (1 page)

2. Fee Transmittal for FY 2004 (1 page in duplicate)

Amendment (5 pages).

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FROM : INTEL CORP

Jun. 09 2004 08:43AM P2

FTO/SB/21 (02-04)

FORM (to be used for all correspondence after Initial Rilling) Examiner Name At Unit Examiner Name At Harrison P12076 Total Number of Pages in This Submission ENCLOSURES Check all that apply) After Allowanee communication to Technology Center (TC) Appeal Communication to Eard of Appeals (Appeal Marker, Park, Reply Petition Amendment/Reply After Final After Final After Final After Final After Final After Final Attitude Interferences of Appeal Communication to Board of Appeals (Appeal Marker, Park, Reply Petition Change of Correspondence Address Extress Abandownent Request Express Abandownent Request Express Abandownent Request Information Disclosure Statement Cartifled Copy of Priority Document(s) Response to Missing Parts under 37 CFR 1.52 or 1,53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Mark V. Seeley Torminal Disclosure Statement CERTIFICATE OF TRANSMISSION/MAILING Thereby certify that this correspondence to being facelimite framsmitted to the USPTO or depocited with the United States Postal Service with utilization postage as first class mail in an envelope addressed to: Commissionar for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 or the date shown bolow.	Signature	Many	Leve		Date	June 9, 2004		
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U.S. Patent and Trademark Office; U.S. Depret Index of Information unloss it displays a valid OMB control number U.S. Patent and Trademark Office; U.S. Depret Index of Information unloss it displays a valid OMB control number 10/001,305	Under the Paperwork Reduc	ton Act of 1995, no persons	are required to respond to a collection Application Number	10/001,305	II MINDING			

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case, Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Petant and Tradsmark Office, U.S. Department of Commence, P.O. Box 1450, Alexandria 1450. DO NOT SEND PEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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June 9, 2004

PTO/SB/17 (10-03)

P10/35/17 (19-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no parsons are required to respond to a collection of information unless it displays a valid OMB control number. Complet If Known FEE TRANSMITTAL 10/001.305 Application Number November 30, 2001 Filing Date for FY 2004 Stefan Hau-Riege et al. First Named Inventor Effective 10/01/2003, Patent fees are subject to annual revision. M. Harrison **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 2829 Art Unit P12075 (\$) 0.00 TOTAL AMOUNT OF PAYMENT Attorney Docket No. FEE CALCULATION (continued) METHOD OF PAYMENT (check all that apply) 3. ADDITIONAL FEES Credit card arge Entity Small Entity ✓ Deposit Account: Foo (5) Fee Fee Description Fee Code Fee Paid Code Decosit 50-0221 65 Surcharge - late filling fee or oath Account 130 2051 1051 Surcharge - late provisional filing fee or 2052 1052 50 Deposit Intel Corporation 130 Non-English specification Name 1053 1053 130 Director is suthorized to: (check <u>all (</u>hat apply) 1812 2,520 For filling a request for ex parte reexamination 1812 2,520 Credit any overpayments ✓ Charge fee(s) indicated below 920" Requesting publication of SIR prior to 1804 920 1804 Charge any additional fee(s) or any underpayment of fec(s) Exeminer action Requesting publication of SIR after Examiner action Charge fee(s) indicated below, except for the filing fee 1.840 1805 1.840° 1805 to the above-identified deposit account. Extension for reply within first month 2251 1251 110 **FEE CALCULATION** 210 Extension for reply within second month 420 2252 1252 1. BASIC FILING FEE 475 Extension for reply within third month 950 2253 1253 arge Entity Small Entity Fee Paid Fee Fee Code (\$) Fee Description 1254 1.460 2254 740 Extension for raply within fourth month 1,005 Extension for reply within fifth month 2256 1255 2,010 1001 770 2001 385 Littity tiling fee 330 2401 1401 165 Notice of Appeal 1002 340 2002 170 Dealan fillna fee 1402 330 2402 185 Filing a brief in support of an appeal 1003 530 2003 265 Plant filing fee 145 Request for oral hearing 1403 290 2403 1004 770 2004 385 Relacue filing fee 1,510 Polition to institute a public use proceeding 1.610 1451 1451 1005 160 2005 Provisional filing fee 2452 55 Potition to revive - unavoidable 1452 110 SUBTOTAL (1) (\$) 0.00 1,330 2453 685 Pellion to revive - unintentional 1453 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,330 2501 665 Utility issue fee (or reissue) Extra Claims below Fee Paid 1502 480 2502 240 Design Issue foo x 18 Total Claims -20** = 1603 640 2503 320 Plant Issue fee Independent x 86 -0 1460 130 Petitions to the Commissioner 1460 130 Multiple Dependent 290 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) Large Entity Small Entity 1806 180 1806 180 Submission of Information Disclosure Stmt Fee Description 40 Recording each patent assignment per Fee Fee Code (\$) Code (\$) 8021 40 8021 properly (times number of properties) Claims in excess of 20 1202 18 2202 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1809 770 2809 Independent claims in excess of 3 1201 86 2201 43 1203 290 2203 146 Multiple dependent claim, if not paid 1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b)) ** Reissue independent claims over original patent 1204 86 2204 2801 385 Request for Continued Examination (RCE) 1801 770 900 Request for expedited examination of a design application ** Rejesue claims in excess of 20 and over original patent 1802 1205 18 2205 1802 900 Other fee (specify) (\$) 0.00 SUBTOTAL (2) *Reduced by Basic Filing Fee Peld SUBTOTAL (3) (\$) 0.00 **or number proviously paid, if greater; For Reissues, see above SUBMITTED BY Registration No. 32,299 Telephone 408-765-7382 Namo (Print/Type) Mark V. Seeley

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PTO/8B/17 (10-03)

Approved	for use through 07/31/2006.	OMB 0651-003
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SUBMITTED BY (Complete (# applicable))									
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Signature / Val 4	Lu	54	ζ ₂ ,				Dalo	June 9, 200	4

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